FIG.01

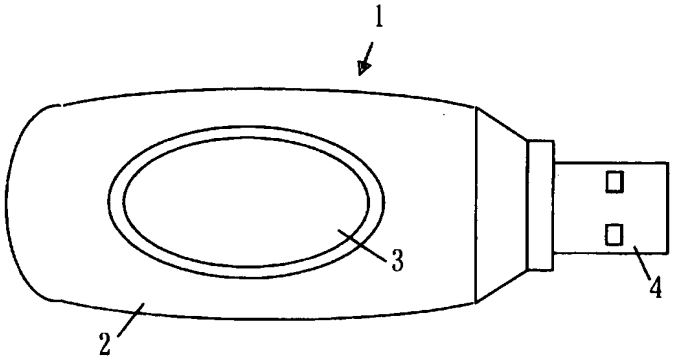

1
3
4
2

FIG.02

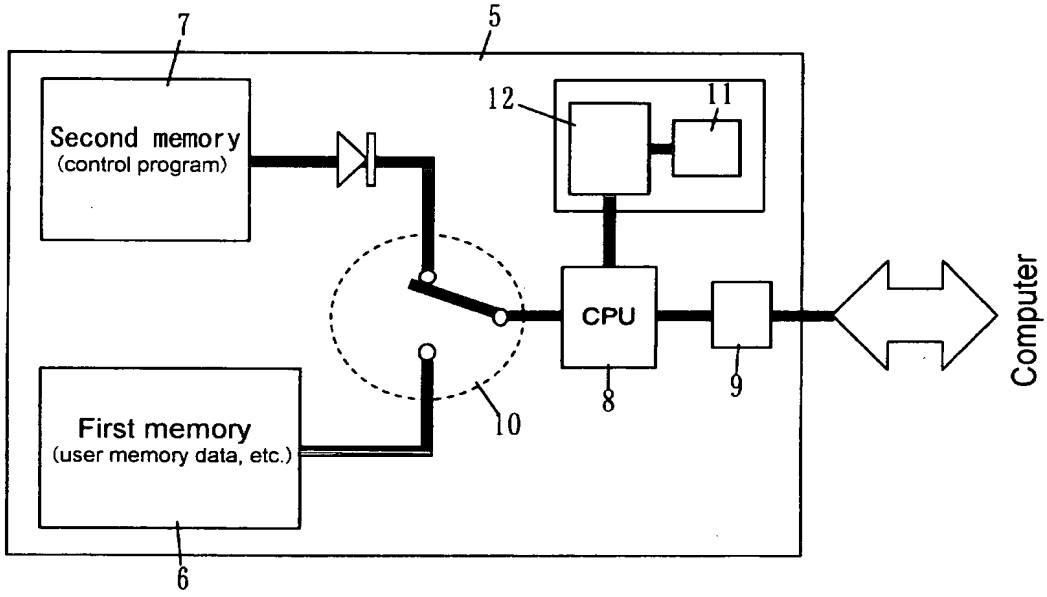

7
5
Second memory
(control program)
12
11
CPU
Computer
First memory
(user memory data, etc.)
10
8
9
6

FIG.03

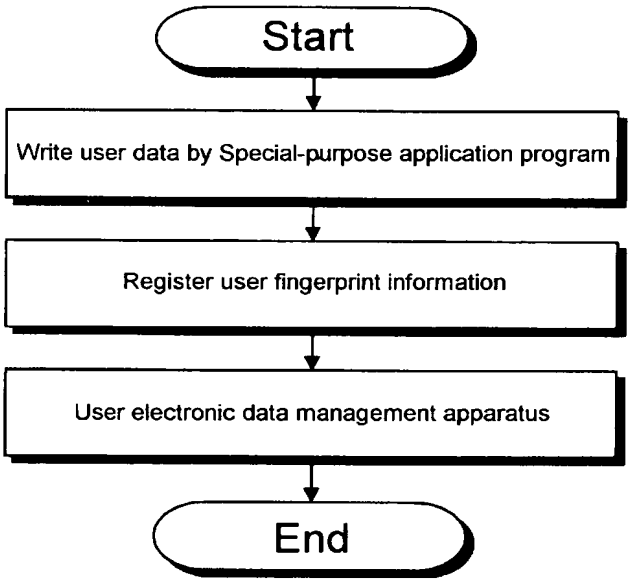

Start
Write user data by Special-purpose application program
Register user fingerprint information
User electronic data management apparatus
End

FIG.04

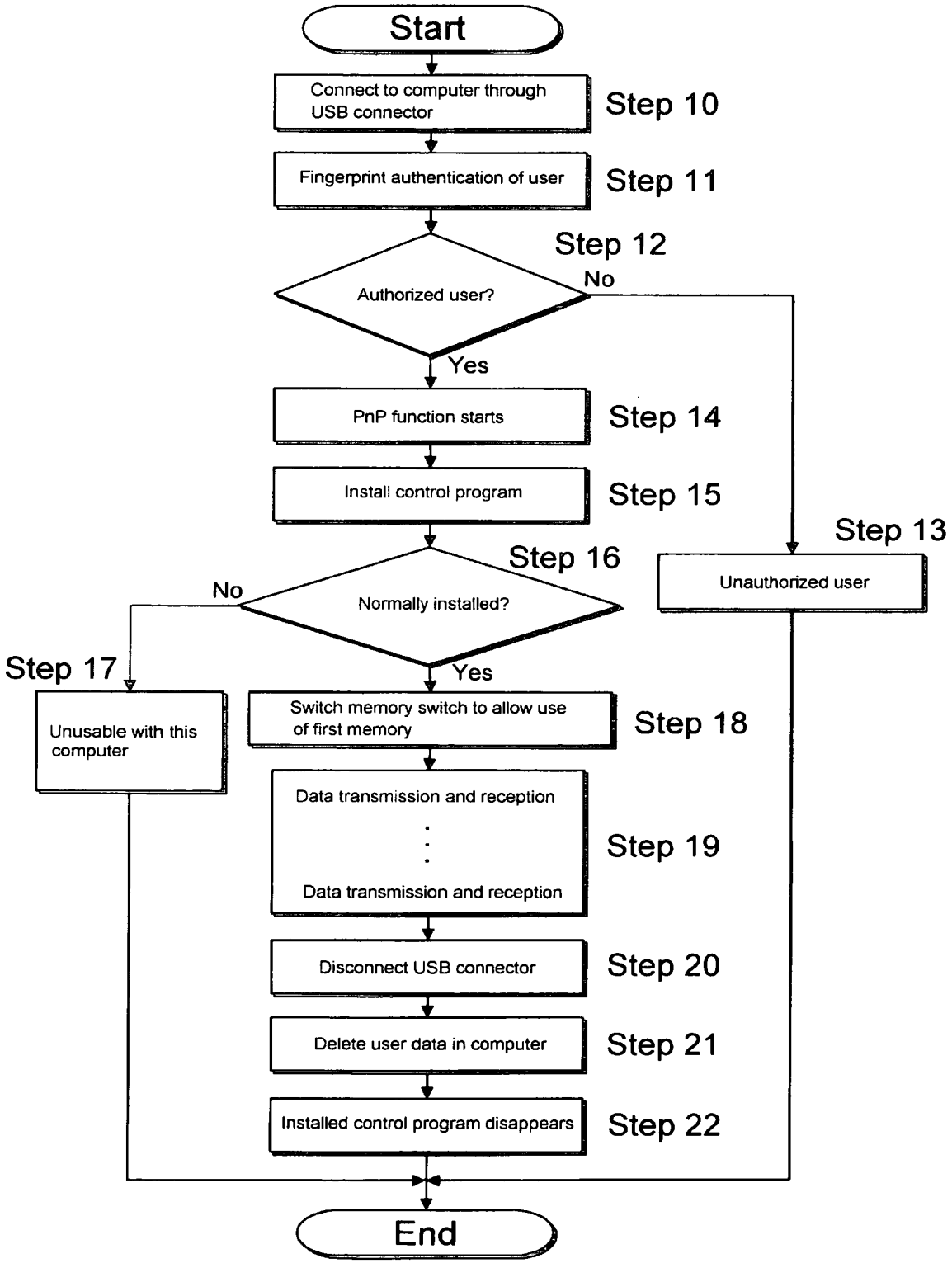

Start
Connect to computer through USB connector
Step 10
Fingerprint authentication of user
Step 11
Step 12
Authorized user?
No
Yes
PnP function starts
Step 14
Install control program
Step 15
Step 13
Unauthorized user
Step 16
Normally installed?
No
Yes
Step 17
Unusable with this computer
Switch memory switch to allow use of first memory
Step 18
Data transmission and reception
Data transmission and reception
Step 19
Disconnect USB connector
Step 20
Delete user data in computer
Step 21
Installed control program disappears
Step 22
End

FIG.05

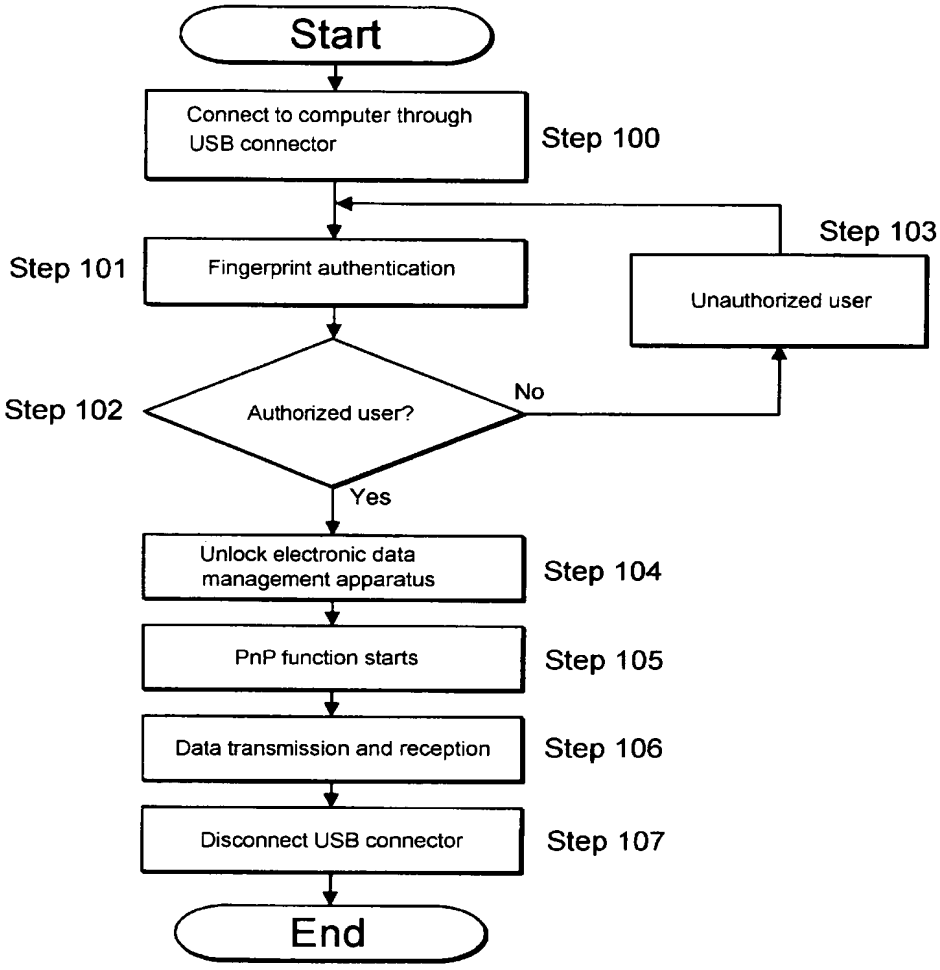

Start
Connect to computer through USB connector
Step 100
Step 101
Fingerprint authentication
Step 102
Authorized user?
No
Step 103
Unauthorized user
Yes
Unlock electronic data management apparatus
Step 104
PnP function starts
Step 105
Data transmission and reception
Step 106
Disconnect USB connector
Step 107
End

FIG.06

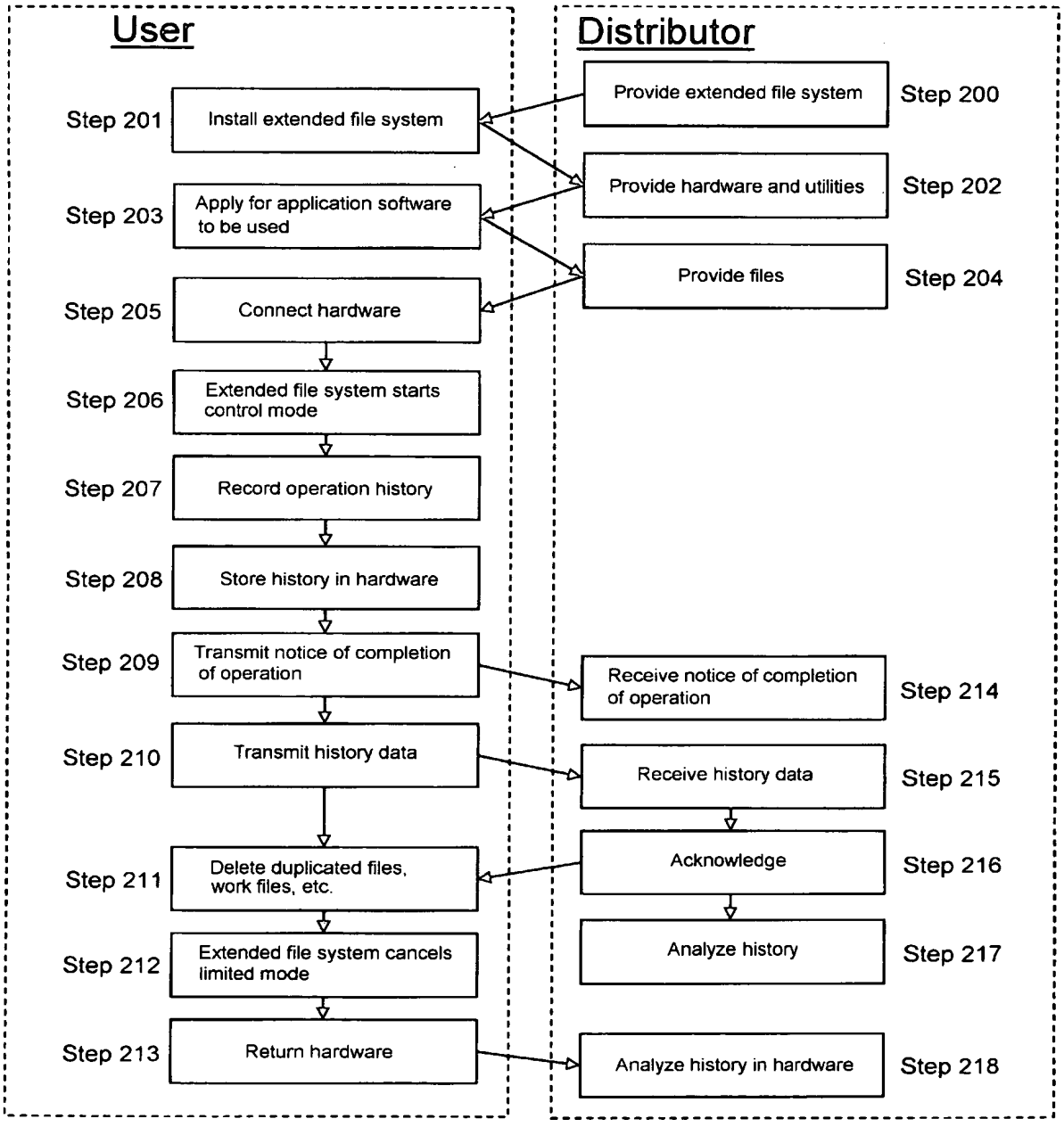

User
Distributor
Step 201
Install extended file system
Step 203
Apply for application software to be used
Step 205
Connect hardware
Step 206
Extended file system starts control mode
Step 207
Record operation history
Step 208
Store history in hardware
Step 209
Transmit notice of completion of operation
Step 210
Transmit history data
Step 211
Delete duplicated files, work files, etc.
Step 212
Extended file system cancels limited mode
Step 213
Return hardware
Provide extended file system
Step 200
Provide hardware and utilities
Step 202
Provide files
Step 204
Receive notice of completion of operation
Step 214
Receive history data
Step 215
Acknowledge
Step 216
Analyze history
Step 217
Analyze history in hardware
Step 218

FIG.07

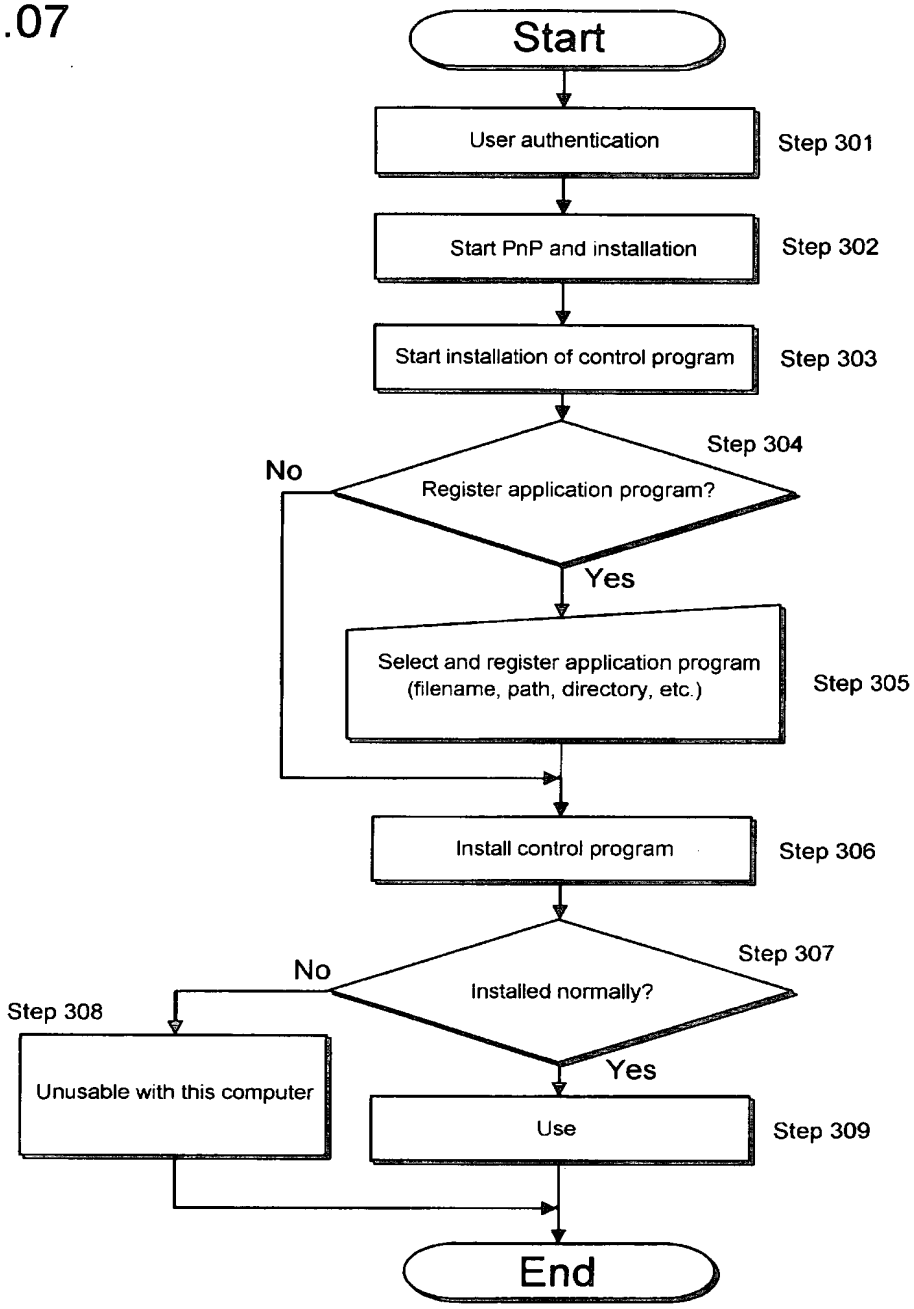

Start
User authentication
Step 301
Start PnP and installation
Step 302
Start installation of control program
Step 303
Step 304
Register application program?
No
Yes
Select and register application program
(filename, path, directory, etc.)
Step 305
Install control program
Step 306
Step 307
Installed normally?
No
Step 308
Unusable with this computer
Yes
Use
Step 309
End

FIG.08

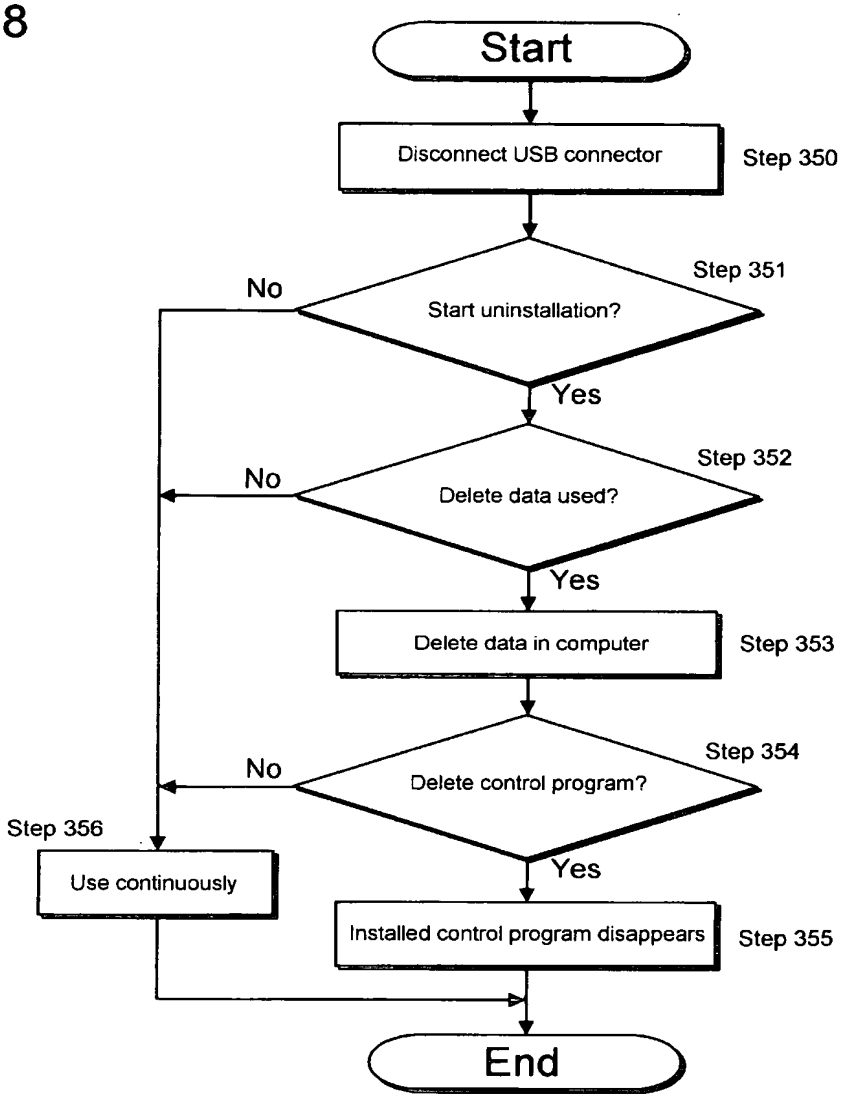

Start
Disconnect USB connector
Step 350
Step 351
Start uninstallation?
No
Yes
Step 352
Delete data used?
No
Yes
Delete data in computer
Step 353
Step 354
Delete control program?
No
Yes
Step 356
Use continuously
Installed control program disappears
Step 355
End

FIG.09

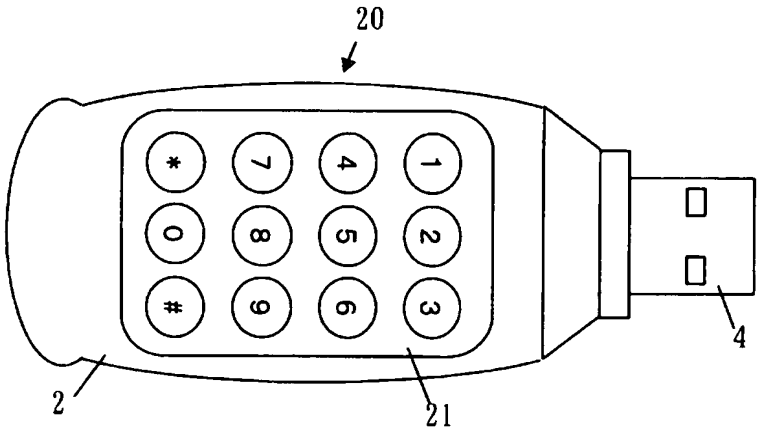

20
*
7
4
1
0
8
5
2
#
9
6
3
2
21
4

FIG.10

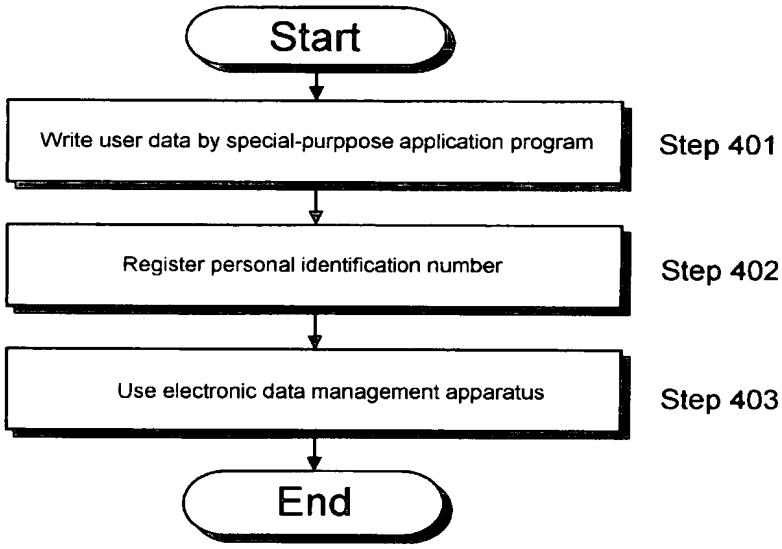

Start
Write user data by special-purppose application program
Step 401
Register personal identification number
Step 402
Use electronic data management apparatus
Step 403
End

FIG.11

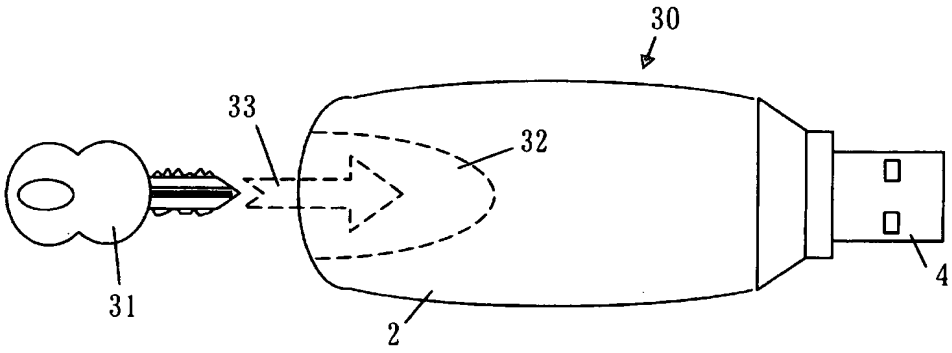

30
33
32
31
2
4

FIG.12

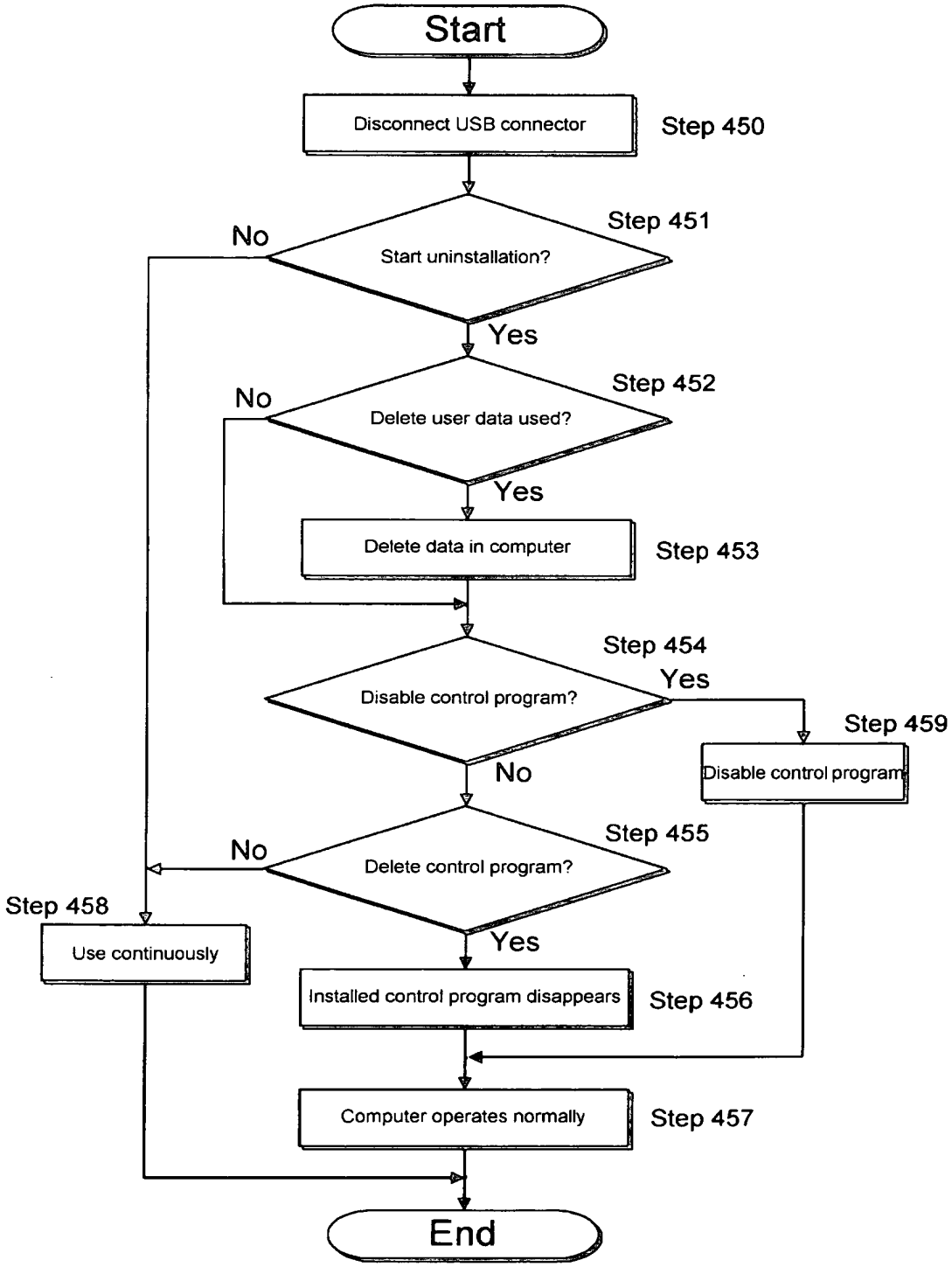
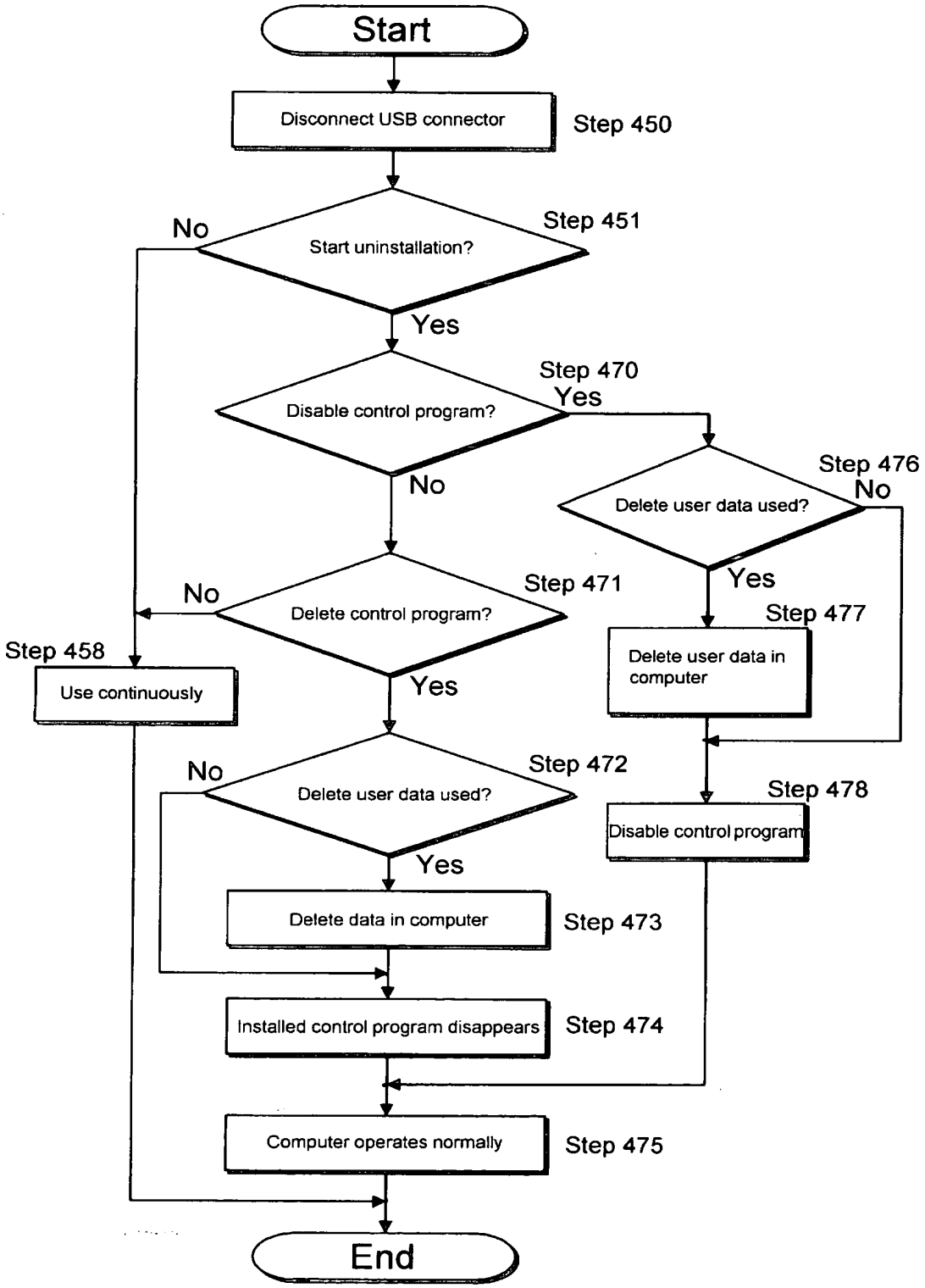

Start
Disconnect USB connector
Step 450
Step 451
Start uninstallation?
No
Yes
Step 452
Delete user data used?
No
Yes
Delete data in computer
Step 453
Step 454
Disable control program?
Yes
Step 459
Disable control program
No
Step 455
Delete control program?
No
Step 458
Use continuously
Yes
Installed control program disappears
Step 456
Computer operates normally
Step 457
End

FIG.13


Start
Disconnect USB connector
Step 450
Start uninstallation?
Step 451
No
Yes
Disable control program?
Step 470
Yes
No
Delete user data used?
Step 476
No
Yes
Delete control program?
Step 471
No
Yes
Step 458
Use continuously
Step 477
Delete user data in computer
Delete user data used?
Step 472
No
Yes
Step 478
Disable control program
Delete data in computer
Step 473
Installed control program disappears
Step 474
Computer operates normally
Step 475
End